

FIG. 1

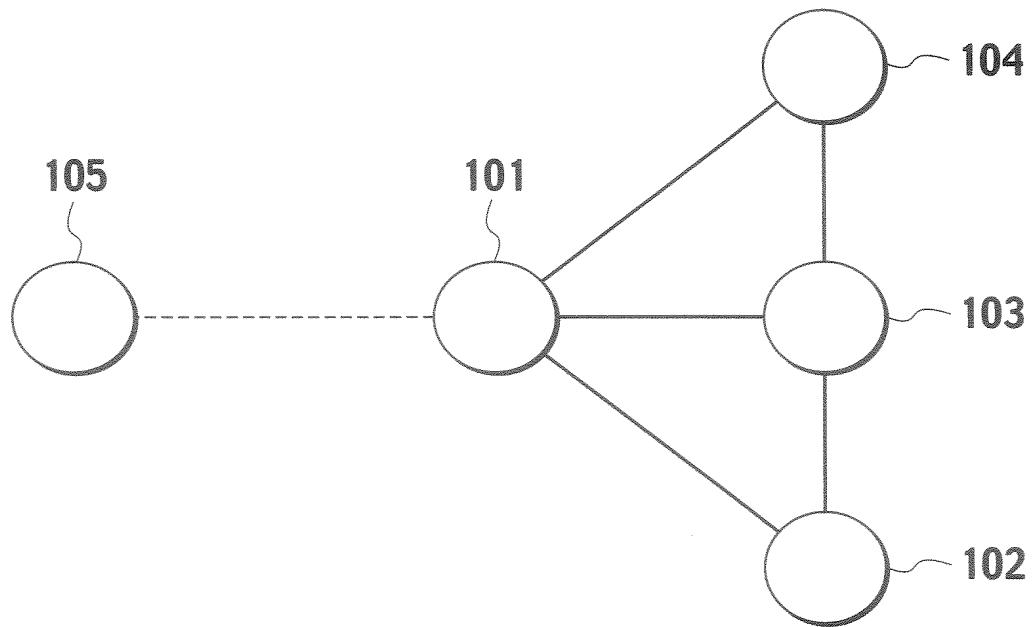


FIG. 2

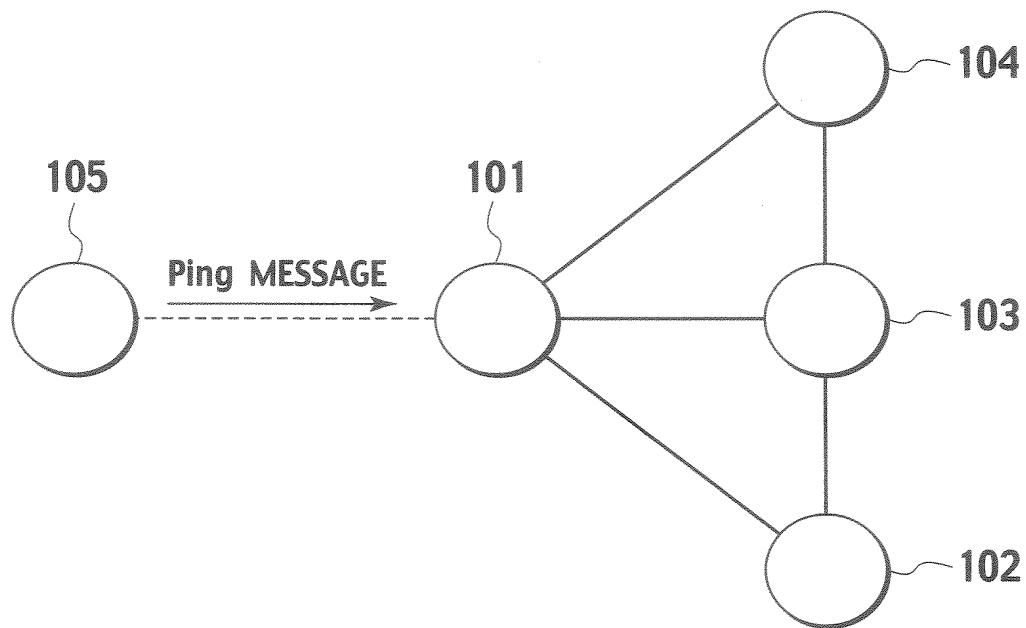


FIG. 3

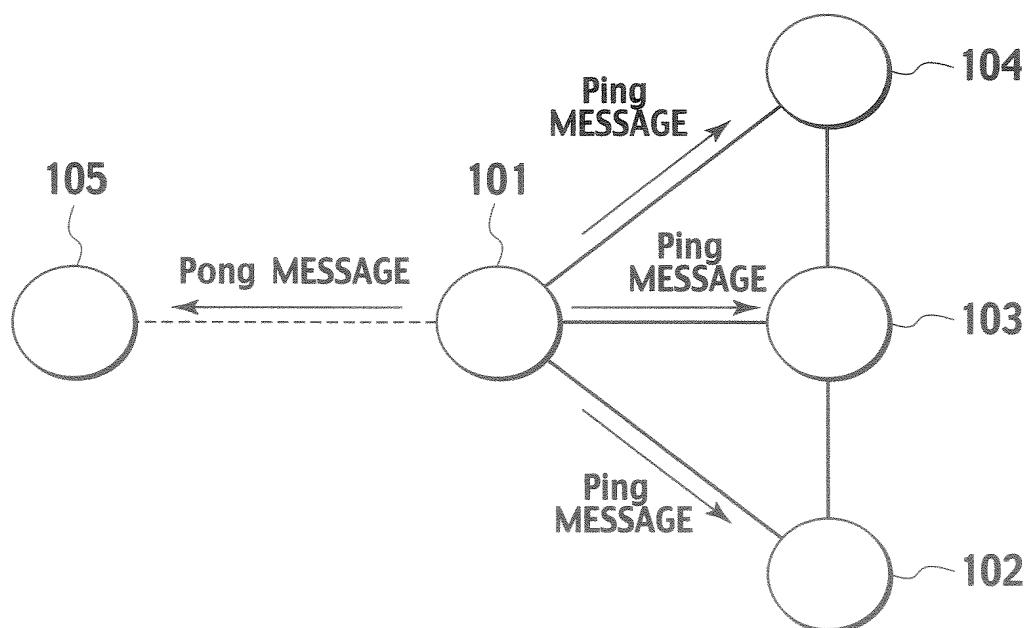


FIG. 4

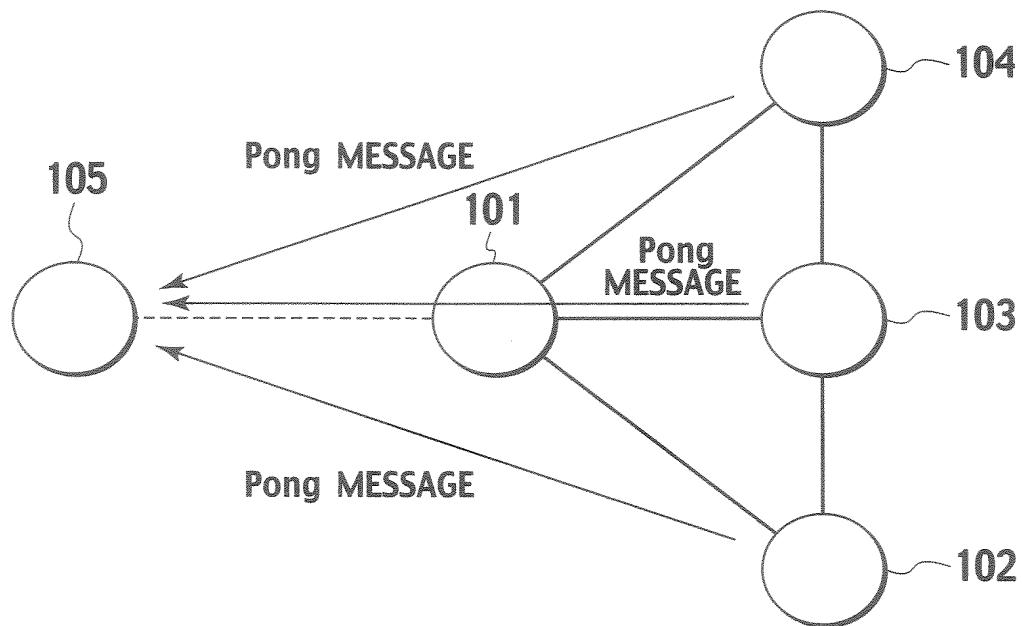


FIG. 5

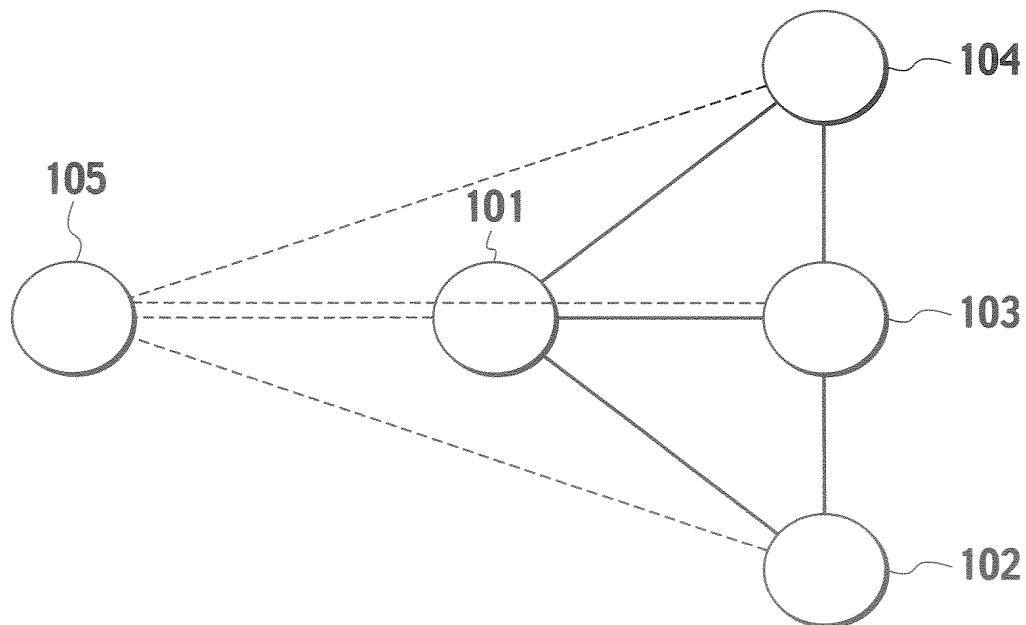


FIG. 6A

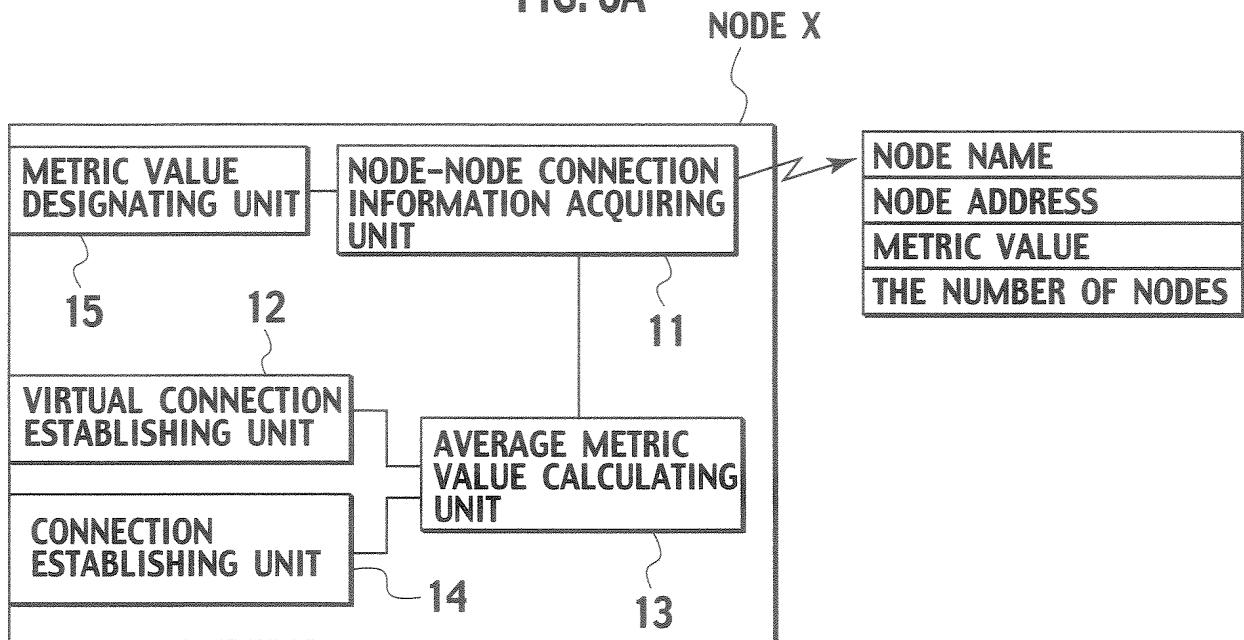


FIG. 6B

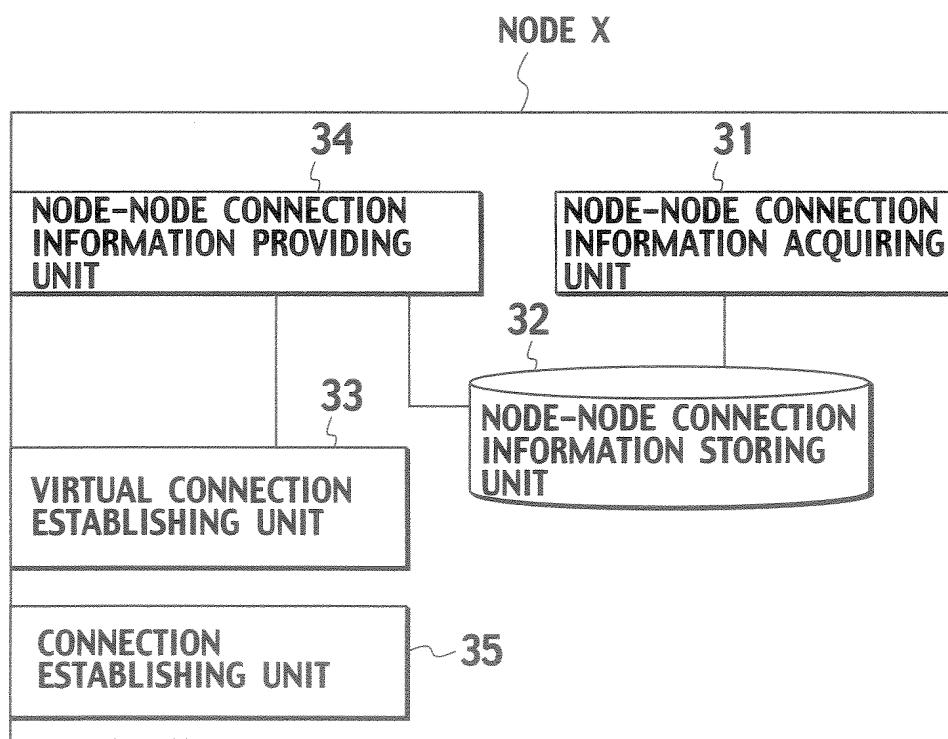


FIG. 7

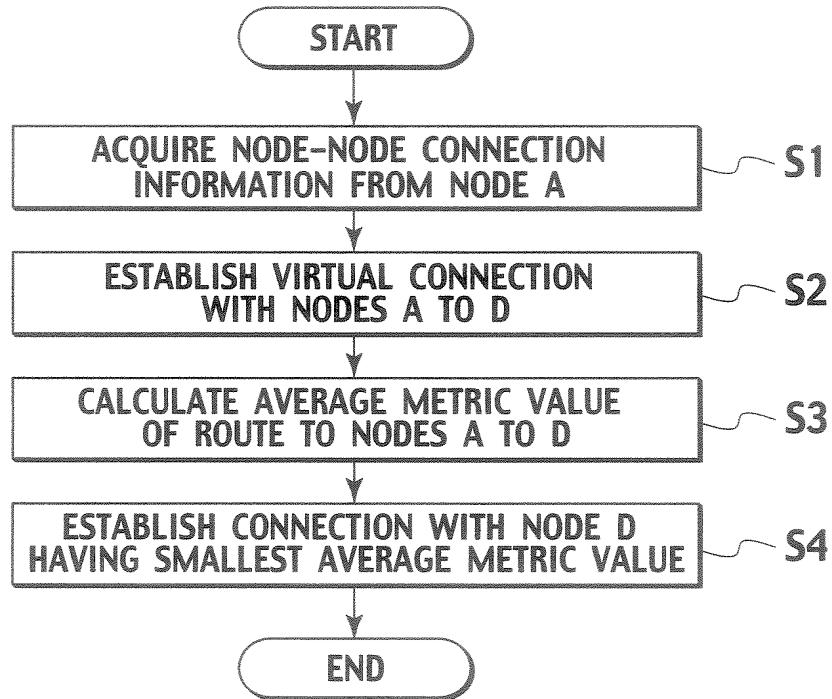


FIG. 8

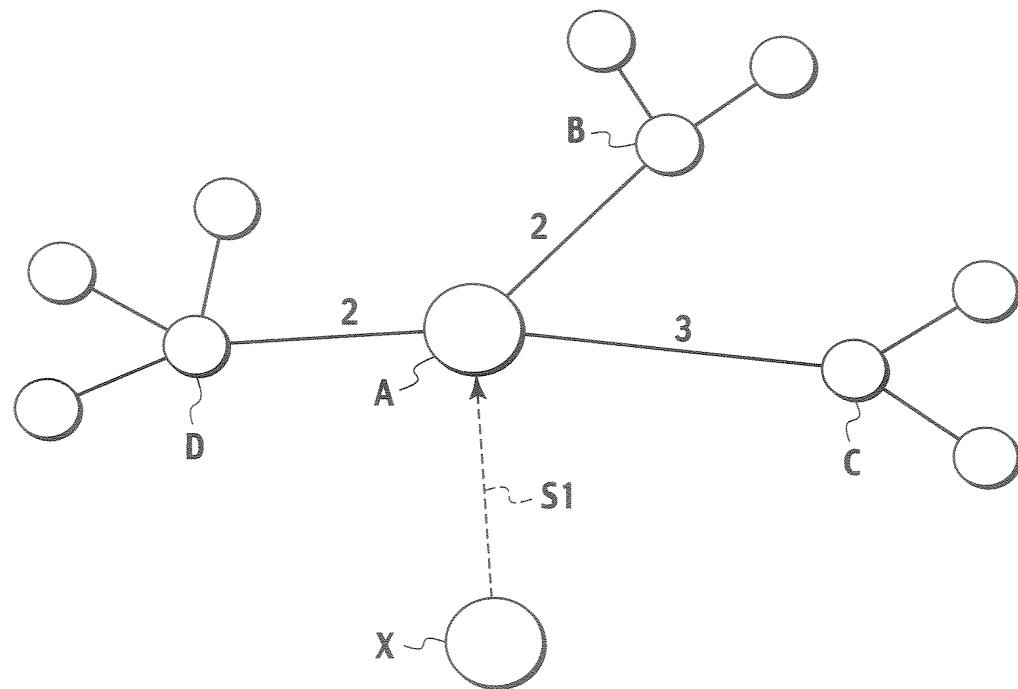


FIG. 9

NODE NAME	NODE ADDRESS	METRIC VALUE	THE NUMBER OF NODES
NODE B	BIP	2	2
NODE C	CIP	3	2
NODE D	DIP	2	3

FIG. 10

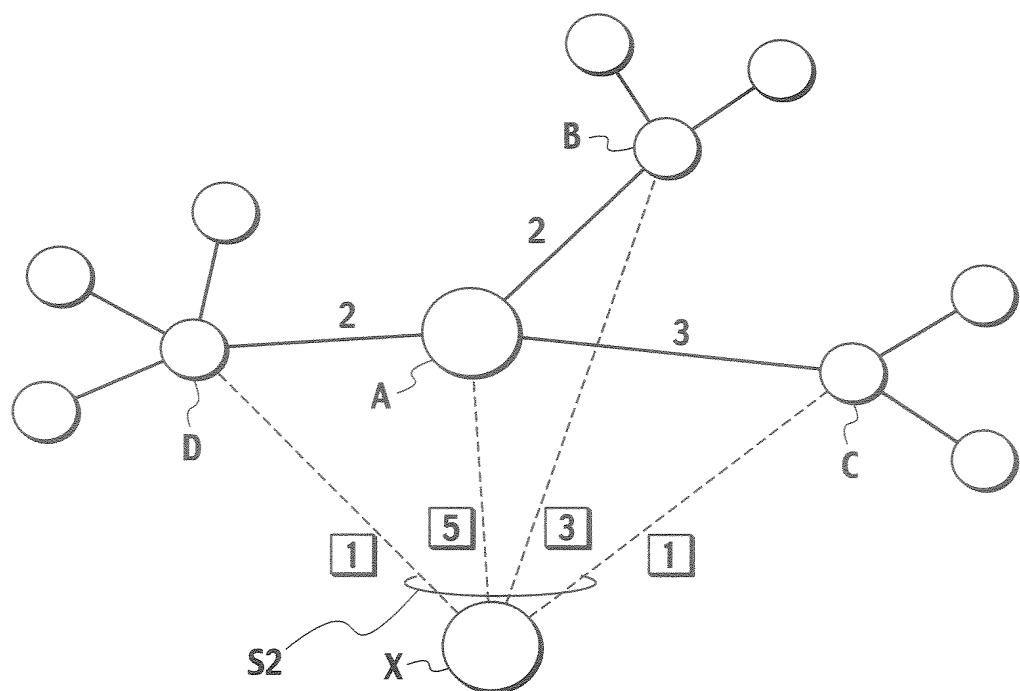


FIG. 11

NODE NAME	METRIC VALUE	THE NUMBER OF NODES	ROUTE NAME
NODE D	1	3	#D1
NODE A	1+2	0	#A1
NODE B	1+2+2	2	#B1
NODE C	1+2+3	2	#C1

FIG. 12

NODE NAME	METRIC VALUE	THE NUMBER OF NODES	ROUTE NAME
NODE A	5	0	#A2
NODE D	5+2	3	#D2
NODE B	5+2	2	#B2
NODE C	5+3	2	#C2

FIG. 13

NODE NAME	METRIC VALUE	THE NUMBER OF NODES	ROUTE NAME
NODE B	3	2	#B3
NODE A	3+2	0	#A3
NODE D	3+2+2	3	#D3
NODE C	3+2+3	2	#C3

FIG. 14

NODE NAME	METRIC VALUE	THE NUMBER OF NODES	ROUTE NAME
NODE C	1	2	#C4
NODE A	1+3	0	#A4
NODE B	1+3+2	2	#B4
NODE D	1+3+2	3	#D4

FIG. 15

$$V_i = \frac{\sum_{i=1}^n (V_{Mi} \times N_i)}{\sum_{i=1}^n N_i}$$

- n : THE NUMBER OF NODES
- V_{Mi} : METRIC VALUE OF ROUTE FROM NODE X TO NODE i
- N_i : THE NUMBER OF NODES ADJACENT TO NODE $i + 1$
- V_i : AVERAGE METRIC VALUE OF ROUTE FROM NODE X TO NODE i VIA VIRTUAL CONNECTION i

FIG. 16

NODE A

$$V_a = \frac{7 \times 4 + 5 \times 1 + 7 \times 3 + 8 \times 3}{4+1+3+3} = \frac{78}{11}$$

NODE B

$$V_b = \frac{7 \times 4 + 5 \times 1 + 3 \times 3 + 8 \times 3}{4+1+3+3} = \frac{59}{11}$$

NODE C

$$V_c = \frac{6 \times 4 + 4 \times 1 + 6 \times 3 + 1 \times 3}{4+1+3+3} = \frac{50}{11}$$

NODE D

$$V_d = \frac{1 \times 4 + (1+2) \times 1 + (1+2+2) \times 3 + (1+2+3) \times 3}{4+1+3+3} = \frac{40}{11}$$

FIG. 17

